Chromatographia Vol 30, Author Index

Abollino, O., 30, 293
Aboul-Enein, H.Y., 30, 223
Abrigo, C., 30, 311
Adachi, M., 30, 263
Adlard, E.R., 30, 112, 607, 726
Altorfer, H., 30, 255
Andrade Junior, J.S., 30, 639
Andre, M., 30, 543
Ashraf, S., 30, 618
Astruc, S., 30, 388

Ban, Y., 30, 51
Bargossi, A., 30, 61
Bartle, K.D., 30, 618
Báthori, M., 30, 95
Belyaev, N.F., 30, 163
Benfenati, L., 30, 215
Benincasa, M., 30, 271
Berek, D., 30, 582
Berger, T.A., 30, 57
Bergmann, U., 30, 707
Bernagozzi, V., 30, 61
Berridge, J.C., 30, 455
Bialopiotrowicz, T., 30, 382
Bieganowska, M.L., 30, 333
Biemann, K., 30, 477
Birks, J.W., 30, 181
Blumenfeld, M. Paulino de, 30, 191
Bobleter, O., 30, 471
Bonazzi, D., 30, 215
Bonn, G.K., 30, 469, 484, 527
Böttcher, A., 30, 703
Braithwaite, A., 30, 129
Brinkman, U.A.Th., 30, 361
Brockmann, U., 30, 432
Brodzky, D., 30, 24
Brückner, H., 30, 621
Brunati, A.-M., 30, 691
Bruner, F., 30, 357, 565
Brunner, G., 30, 657
Buchberger, W., 30, 577
Buiarelli, F., 30, 271

Cagniant, D., 30, 24
Cai, C.P., 30, 220, 400
Cappiello, A., 30, 357, 477
Cartoni, G.P., 30, 271
Cavrini, V., 30, 215
Chabreček, P., 30, 201
Chasteen, T.G., 30, 181
Choma, I., 30, 382
Clifford, A.A., 30, 618
Coccioli, F., 30, 271
Coene, I., 30, 414
Comor, J.J., 30, 287
Coull, J., 30, 691
Cremer, E., 30, 470
Crescentini, G., 30, 565
Cretier, G., 30, 645
Csapó-Barthos, É., 30, 47

Darvas, F., 30, 95
Davies, I.L., 30, 618
Dawidowicz, A.L., 30, 382
de Waal, W.A.J., 30, 38
Debets, A.J.J., 30, 361
Deye, J.F., 30, 57
Dhulster, P., 30, 205
Di Pietra, A.M., 30, 215
Diack, M., 30, 24
Djega Mariadassou, G., 30, 24
Domínguez, E., 30, 591
Dondi, F., 30, 447
Donella-Deana, A., 30, 691
Dülffer, T., 30, 675
Dyas, A.M., 30, 73

Echner, H., 30, 719
Edelkraut, F., 30, 432
El-Din, M.S., 30, 176
Engelhardt, H., 30, 523
Engewald, W., 30, 537
Eriksson, J.W., 30, 301
Estrella, I., 30, 35
Evans, M.B., 30, 726

Fall, R., 30, 181
Fell, A.F., 30, 73
Feng, X., 30, 211
Fercej-Temeljotov, D., 30, 159
Fernández de Simón, B., 30, 35
Frankenberger, Jr., W.T., 30, 249, 651
Fritsch, P., 30, 527
Fujimura, N., 30, 186
Fukumoto, Y., 30, 410
Fukuyama, T., 30, 186

Gami Yilinkou, R., 30, 277
Gareil, P., 30, 195
Gennaro, M.C., 30, 311
Gilpin, R.K., 30 393
Gjerde, D.T., 30, 509
Golshan-Shirazi, S., 30, 613
Gómez-Cordovés, C., 30, 35
Gorton, L., 30, 591
Grossi, G., 30, 61
Gruber, R., 30, 24
Grübler, G., 30, 719
Gübitz, G., 30, 555
Gudej, J., 30, 333
Guillochon, D., 30, 205
Guiochon, G., 30, 613
Guliants, V.V., 30, 283
Gutjahr, F., 30, 719

Hahn-Hägerdal, B., 30, 591
Hansz, M., 30, 191
Hassan, S.M., 30, 176
Hayashi, Y., 30, 85, 171, 367, 371
Heemstra, S., 30, 38
Hefnawy, M.M., 30, 176
Helliger, W., 30, 518
Herb, R., 30, 675
Hernández, T., 30, 35
Herrmann, H., 30, 675
Herwig, S., 30, 696
Hikichi, N., 30, 191
Hirose, M., 30, 99
Hoffmann-Posorske, E., 30, 691
Hofrichter, A., 30, 657
Hoogmartens, J., 30, 105
Horne, W.C., 30, 484
Horváth, Cs., 30, 484, 533
Hupe, K.-P., 30, 361
Husmann, H., 30, 245

Ibrahim, F.A., 30, 176
Ingram, G., 30, 543
Inoue, T., 30, 410
Isaksson, K., 30, 301
Islam, M.R., 30, 223

Jaitner, P., 30, 543
Jakus, V., 30, 144
Janák, J., 30, 489
Jańczuk, B., 30, 382
Jandik, P., 30, 509
Jaroniec, M., 30, 393
Jee, M.H., 30, 112
Jiménez-Conde, F., 30, 421
Jinno, K., 30, 51, 135
Johns, R.B., 30, 691
Jones, K., 30, 112
Jones, W.R., 30, 509
Jonker, R.J., 30, 38
Josić, Dj., 30, 703
Jyomori, W., 30, 186

Kahie, Y.D., 30, 447
Kaibara, A., 30, 99
Kalász, H., 30, 95, 533
Kalghatgi, K., 30, 484
Kaliszan, R., 30, 277
Kalita, S., 30, 309
Kállay, Z., 30, 201
Kapfer, U., 30, 663
Keller-Hoehl, C., 30, 621
Kenndler, E., 30, 546, 713
Kinoshita, T., 30, 69
Kliszcz, A., 30, 382
Kobold, U., 30, 675
Kok, W. Th., 30, 361
Kolarz, B., 30, 428
Kopečni, M.M, 30, 287
Korte, H., 30, 691
Kováts, E. sz., 30, 493
Kowalska, T., 30, 298
Kraak, J.C., 30, 38
Krämer, M., 30, 523
Kreysel, H.W., 30, 686
Kubo, H., 30, 69
Kuráň, P., 30, 328
Kuroda, R., 30, 263

Lakszner, K., 30, 47
Lamparczyk, H., 30, 91
Lee, H.S., 30, 80
Lee, Y.J., 30, 80
Lerch, C.M., 30, 424
Li, J.B., 30, 509
Li, X.L., 30, 228
Lin, S., 30, 393

Lindner, H., 30, 518
Lindner, W., 30, 323
Ling, C.F., 30, 421
Liu, G., 30, 267
Lord, E.B., 30, 113
Lu, P.C., 30, 228
Luber, Jr., J.M., 30, 19
Lux, J.A., 30, 7

Majdalani, R., 30, 645
Malik, A., 30, 135
Mangani, F., 30, 357, 565
Marengo, E., 30, 311
Marko-Varga, G., 30, 591
Marsel, J., 30, 159
Martens, D.A., 30, 249
Matisová, E., 30, 144, 328
Matsuda, R., 30, 85, 171, 367, 371
Matsumoto, K., 30, 69
Matus, Z., 30, 318
McGreavy, C., 30, 639
Medina Mendez, M.I., 30, 447
Mehra, M.C., 30, 337
Mentasti, E., 30, 293
Meriluoto, J.A.O., 30, 301
Mester, B., 30, 191
Meyer, H.E., 30, 691
Middleditch, B.S., 30, 149
Miertus, S., 30, 144
Mohammad, A., 30, 405
Moulder, R., 30, 618
Müller, H.-M., 30, 424
Müller, K.-D., 30, 245

Nakagawa, T., 30, 99
Nakamura, A., 30, 85
Nalik, H.P., 30, 245
Newesely, H., 30, 595
Nishi, H., 30, 186
Nishikawa, T., 30, 69
Nissen, H.P., 30, 686
Novák, I., 30, 201, 582
Nygård, S.E., 30, 301

Ochocka, R.J., 30, 91
Oguma, K., 30, 263
Ohmacht, R., 30, 318
Ohta, T., 30, 410
Ondarza, M., 30, 16

Palma, P., 30, 357, 477
Papayannopoulos, I.A., 30, 477
Parbuzin, V.S., 30, 283
Pasquali, R., 30, 61
Paulino de Blumenfeld, M., 30, 191
Pazzi, P., 30, 377
Pecavar, A., 30, 159
Pelletier, C., 30, 337
Pérez-Ilzarbe, J., 30, 35
Pérez-Melián, G., 30, 421
Perich, J., 30, 691
Perlia, X., 30, 255
Pesek, J.J., 30, 442
Phillips, D., 30, 309
Pietrogrande, C., 30, 447
Pinna, L.A., 30, 691
Piot, J.M., 30, 205
Pörschmann, J., 30, 537
Porta, V., 30, 293
Prosek, M., 30, 159

Quirijns, J.K., 30, 155

Rajagopal, K., 30, 639
Ramos, M.E., 30, 414
Ranatunga, R.P.J., 30, 149
Rao, P.S., 30, 19
Rapak, A., 30, 428
Rashet, W., 30, 442
Rayss, J., 30, 630
Reddy, K.S., 30, 493
Reh, E., 30, 663
Reschiglian, P., 30, 447
Revilla, E., 30, 421
Ricart, G., 30, 205
Robinson, M.L., 30, 73
Rocca, J.L., 30, 645
Roets, E., 30, 105
Rujikarn, N., 30, 19

Sanchez, A., 30, 16
Sandra, P., 30, 414
Sarzanini, C., 30, 293
Sato, Y., 30, 263
Scalia, S., 30, 377
Schmid, E.R., 30, 573
Schmitz, G., 30, 703
Schomburg, G., 30, 7, 245, 500
Schottenberger, H., 30, 543
Schwarzhans, K.E., 30, 543
Schwer, Ch., 30, 546
Shadrin, O., 30, 436
Shi, J., 30, 211
Silver, G.M., 30, 181
Sisti, E., 30, 357
Smith, F.J., 30, 129
Smith, R.M., 30, 113
Soini, H., 30, 301
Šoltés, L., 30, 201
Sprovieri, G., 30, 61
Surowiec, K., 30, 630
Sybilska, D., 30, 91
Szabó, Z.G., 30, 597
Szepesy, L., 30, 47
Szewczuk, A., 30, 428

Takitani, S., 30, 410
Tarjányi, Z., 30, 95
Tebbett, I.R., 30, 309
Tessadri, R., 30, 543
Thomas, D., 30, 205
Timerbaev, A., 30, 436
Tiwari, S., 30, 405
Todorović, M., 30, 287
Török, I., 30, 47
Touraine, B., 30, 388
Trochimczuk, A., 30, 428
Tsikas, D., 30, 657
Tyras, D.H., 30, 19

Uray, G., 30, 323

Vaghy, P.L., 30, 533
Valcrio, R.M., 30, 691
Van den Bossche, W., 30, 414
van den Eeckhout, E., 30, 414
van der Poll, J.M., 30, 155
Varga, J.M., 30, 527
Vigdergauz, M.S., 30, 163
Vink, M., 30, 155
Voelter, W., 30, 719

Waal, W.A.J. de, 30, 38
Waldhoff, H., 30, 523
Wang, G.Y., 30, 635
Wang, S.-K., 30, 211
Weinstein, G.S., 30, 19
Welsch, T., 30, 537
Weng Naidong, 30, 105
Werner, I.A., 30, 255
Wilson, I.D., 30, 607
Wittmann-Liebold, B., 30, 707
Wongyai, S., 30, 527
Wu, N.S., 30, 220, 400

Xin, Z., 30, 267

Yamaguchi, H., 30, 186
Yang, Y., 30, 220
Yin, H.-F., 30, 7

Zarzycki, P., 30, 91
Zhang, Y.K., 30, 228
Zhao, G.L., 30, 635
Zhao, Q., 30, 205
Zhivopistsev, V., 30, 436
Zlatkis, A., 30, 149
Zou, H.F., 30, 228

Chromatographia Vol 30, Subject Index

Acrylic copolymers for immunoadsorbents, **30**, 428
Adduction constant and temperature, **30**, 211
Adduction constants, by GC, **30**, 211
Adsorbents, non-specific, **30**, 565
Adsorbents, polymeric, **30**, 582
Adsorbents, structure of, **30**, 582
Adsorbents, superficial crazed, **30**, 582
Adsorption effects, in GC, **30**, 489, 565
Adsorption isotherms, **30**, 287
Allyl-bonded stationary phase, **30**, 442
Amino acids, derivatisation of, **30**, 159
4-Amino-2-hydroxybenzoic acid eluent, **30**, 337
Amitrole, adsorption of, **30**, 155
Amitrole, in plants and soils, **30**, 155
Anion-exchange cartridge, **30**, 377
Antibody anti-human serum, **30**, 428
Anti-human albumin antibody, **30**, 428
Arginine protecting groups, **30**, 719
Arsenazo III post column reaction, **30**, 263
Ascorbic acid enantiomers, separation of, **30**, 311

Bacillus stearothermophilus, **30**, 696
Band profiles, **30**, 613
Band separation, **30**, 613
Band spreading, in LC, **30**, 663
Band spreading, in SEC, **30**, 639
Band spreading in SFC, **30**, 645
1,4-Benzodiazepines, **30**, 255
Benzopyrenes, hydrogenated, LC of, **30**, 24
Bile acids, **30**, 377
Bile acids, sulphated, **30**, 377
Binary eluents, in LC, **30**, 298
Biological activity data, **30**, 191
Blood serum, human, **30**, 245
Bonded phases, characteristics of, **30**, 99

Capacity factor and hydrophobicity, **30**, 191,195
Capillaries, desorption from, **30**, 149
Capillaries, Teflon, **30**, 703
Carboxylic acids, purification of, **30**, 388
Carotenoids, capacity factors of, **30**, 318
Catalysts, active centres in, **30**, 597
Cation-exchange, in LC, **30**, 301
Charge-transfer chromatography, **30**, 24
Charring reagent, for TLC, **30**, 414
Chemical modelling of aqueous systems, book review, **30**, 112
Chemical traps, in biological systems, **30**, 19
Chemiluminescence, fluorine induced, **30**, 181
Chiral affinity chromatography, **30**, 555
Chiral crown ether phases, **30**, 555
Chiral derivatisation, **30**, 186
Chiral imprinted gels, **30**, 555
Chiral ligand exchange, **30**, 555
Chiral selectors, **30**, 323
Chiral separations, **30**, 73
Chiral stationary phases, cellulosic, **30**, 223
Chromatography, affinity, **30**, 410, 527, 533
Chromatography, metal-interaction, **30**, 484
Chromatography, micellar electrokinetic, **30**, 675
Chromatography, non-linear, **30**, 613
Chromatography, preparative, **30**, 613
Chromatography, resolution criteria for, **30**, 400
Chromatography, theory of, **30**, 613
Chromatography-FTIR, book review, **30**, 113
Clinoptilolite, natural zeolite, **30**, 287
Column switching, in LC, **30**, 61,80
Columns, micropacked, **30**, 500
Connectivity index, computation of, **30**, 191
Contemporary practice of chromatography, book review, **30**, 726
Cremer, Erika, **30**, 469, 471
Cyanobacterial peptide toxins, **30**, 301

Dead volume, determination in LC, **30**, 135, 138
DEAE anion-exchanger, **30**, 707
Denopamine enantiomers, **30**, 186
Densitometry, evaluation of, **30**, 414
Density gradients, in SFC, **30**, 57
Derivatisation, achiral, **30**, 73
Derivatisation, OPA, **30**, 523
Derivatisation, post column, **30**, 69
Derivatisation, radio, **30**, 527
Derivatives, isocyanate and isothiocyanate, **30**, 73
Detection, catalytic reaction, **30**,591
Detection, chemiluminescent, **30**, 181
Detection, conductivity, **30**, 509
Detection, electrochemical, **30**, 61
Detection, electrochemical, developments, **30**, 577
Detection, electrochemical, review, **30**, 577
Detection, fluorescence, **30**, 159, 719
Detection, fluorimetric, **30**, 69
Detection, guanidino group, **30**, 719
Detection, indirect photometric, **30**, 337
Detection, NPD, **30**, 421
Detection, pulsed amperometric, **30**, 249
Detector, oxygen FID, **30**, 47
Detector, post-column reaction, **30**, 523, 719
Detector response, quantitaive, **30**, 618
Diantipyrilmethane complexes, **30**, 436
Diastereoisomers, retention of, **30**, 621
Diastereoisomers, separation mechanism of, **30**, 621
1,4-Dihydropyridine, purification of, **30**, 533
5,5-Dimethyl-1-pyrroline-n-oxide spin trap, **30**, 19
2,4-Dinitrophenylhydrazides, **30**, 432
Diol-silica, **30**, 410
Displacement effect, **30**, 613

Ecdysone metabolism, simulation of, **30**, 95
Electrodialysis, sample treatment, **30**, 361
Electrokinetic capillary chromatography, **30**, 195
Electrokinetic capillary chromatography, micellar, **30**, 7
Electroosmotic flow, **30**, 546
Electrophoresis, capillary, **30**, 7, 195, 500, 546
Electrophoresis, capillary, for sequence analysis, **30**, 691
Electrophoresis, capillary, industrial uses, **30**, 675
Electrophoresis, capillary, instrumentation, **30**, 675
Electrophoresis, capillary, modular, **30**, 7
Electrophoresis, capillary zone, **30**, 546, 675, 691, 713
Electrophoresis, capillary zone-MS, **30**, 573
Electrophoresis, displacement, **30**, 546, 713
Electrophoresis, free zone, **30**, 713
Electrophoresis, free zone, of peptides, **30**, 675, 691
Electrophoresis, gel, micellar, **30**, 500
Electrophoresis, gel, of proteins, **30**, 707
Electrophoresis, microgel, **30**, 696

Electrophoretic mobility, **30**, 195
Element speciation, **30**, 181
Eluent composition effects, **30**, 518
Eluents, hydro-organic, **30**, 393
Enantiomers, drug, **30**, 555
End-capped stationary phases, **30**, 318
Enrichment, trace, **30**, 489, 565
Extraction, solid phase, **30**, 357, 377

FAB-MS, **30**, 205, 477
FAME, bacterial patterns of, **30**, 245
FAME analysis, **30**, 245
Fatty acids, trans esterification of, **30**, 245
Fatty and methyl esters - see FAME
FID, oxygen, detector, **30**, 47
Flavanoids in *Althaea*, **30**, 333
Fluorescence, enhancement of, **30**, 414

Galacturonic acids, **30**, 249
Gas chromatography, see GC
Gas chromatography/mass spectrometry, see GC-MS
Gaussian function, exponentially modified, **30**, 220
GC, capillary, of melissyl alcohol, **30**, 267
GC, capillary, of PAH, **30**, 24
GC, catalyst study by, **30**, 597
GC, glass capillary, **30**, 635
GC, of alkylbenzenes, **30**, 144, 328
GC, of amitrole, **30**, 155
GC, of camomilla oils, **30**, 47
GC, of carbofuran, **30**, 421
GC, of chalcogens, **30**, 181
GC, of C_1-C_5 alcohols, **30**, 565
GC, of essential oils, **30**, 16
GC, of esters, **30**, 635
GC, of fatty acids, **30**, 245
GC, of halocarbons, **30**, 565
GC, of hydrocarbons, **30**, 537, 565
GC, of hydrogen isotopes, **30**, 283
GC, of n-alcohols, **30**, 635
GC, of n-alkanes, **30**, 635
GC, of *o* and *p* hydrogen, **30**, 283
GC, of structural and spatial isomers, **30**, 537
GC, on clinoptilolite, **30**, 287
GC, on graphitised carbon black, **30**, 537, 565
GC, on PEG 20M layers, **30**, 630, 635
GC, solution data by, **30**, 493
GC, trace enrichment in, **30**, 489, 565
GC-FTIR, of radiolysis products, **30**, 255
GC-MS, **30**, 573
GC-MS, of aminocaproic acid, **30**, 309
GC-MS, of Eperison, **30**, 357
GC-MS, of PAHs, **30**, 24
Gel-filtration chromatography, see SEC
GITC chiral reagent, **30**, 186
Glasses, controlled porosity, **30**, 382
Glasses, modification of, **30**, 382
Glasses, sorption properties of, **30**, 382
Glasses, surface free energy of, **30**, 382
Golay, Marcel, Award, **30**, 5
Goppelsroeder, Friedrich, **30**, 595
Graphite, porous, stationary phase, **30**, 38
Graphitised carbon black, **30**, 537, 565

Haemoglobin peptides, characterisation of, **30**, 205
Halobacterium marismortui, **30**, 707
Handbook of chemical property estimation methods, book review, **30**, 726
Headspace analysis, of S, Se, Te gases, **30**, 183
Henry coefficient, **30**, 493
High-performance thin-layer chromatography, see TLC
High-performance liquid chromatography, see LC
HPLC, see LC
HPTLC, see TLC

Human plasma, Eperison in, **30**, 357
Human plasma, ephedrine in, **30**, 361
Hydrogen bonding, multiple, **30**, 555
Hydrolysis, microwave accelerated, **30**, 159
Hydrophobic parameter, **30**, 99
Hydrophobicity of organic bases, **30**, 277

IC, gradient, **30**, 509
IC, of aliphatic sulfonates, **30**, 509
IC, of carboxylic acids, **30**, 509
IC, of heavy metals, **30**, 293
IC, of inorganic ions, **30**, 509
IC, of Se, **30**, 293
IC, of uncommon ions, **30**, 337
IEC, of carboxylic acids, **30**, 388
IEC, of glycuronic acids, **30**, 249
IEC, of lanthanides, **30**, 263
IEC, of proteins, **30**, 707
Immunoadsorbents, **30**, 428
Inclusion complexes, of ß-cyclodextrin, **30**, 91
Information theory, **30**, 85, 367, 371, 713
Injection, multiple, **30**, 645
Injection, solventless, **30**, 645
Injection, solvent-vented, **30**, 618
Injector, on-column, **30**, 357
Instrumentation for LC and CE, **30**, 500
Intermolecular interactions, in LC, **30**, 298
Iodine in kelp, **30**, 228
Iodine in throat tablets, **30**, 228
Ion chromatography, see IC
Ion-exchange chromatography, see IEC
Ion-exclusion column, **30**, 388
Ion-pair concentration effect, **30**, 518
Ion-pairing chromatography, **30**, 69
Isoelectronic focussing, **30**, 675
Isotachophoresis, **30**, 546, 713
Isotachophoresis, capillary, of proteins, **30**, 703
Isotachophoresis, capillary, of ß-lactam antibiotics, **30**, 657
Isotachophoresis, preparative, **30**, 703

Kalman filter, **30**, 85, 171, 367, 371
Kovats' RI, **30**, 328

Lanthanides, lactato-complexes of, **30**, 263
LC, of aminoglutethimide enantiomers, **30**, 223
LC, a review, **30**, 573
LC, automation of, **30**, 61, 80
LC, capillary, **30**, 500
LC, column switching in, **30**, 61, 80
LC, dead volume, **30**, 135, 139
LC, enantioselective, **30**, 555
LC, for cleavage kinetics study, **30**, 719
LC, ion-pair, **30**, 228
LC, of amino acids, **30**, 51, 159
LC, of aminocaproic acid, **30**, 309
LC, of antipyretics, **30**, 85
LC, of aspartame, **30**, 215
LC, of bergamot oil, **30**, 271
LC, of bile acids, **30**, 377
LC, of biological macromolecules, book review, **30**, 112
LC, of carbofuran, **30**, 421
LC, of carbohydrates, **30**, 591
LC, of carbonyl compounds, **30**, 432
LC, of carotenoids, **30**, 318
LC, of cephalosporins, **30**, 80
LC, of chlorinated pesticides, **30**, 129
LC, of chlortetracycline and products, **30**, 105
LC, of denopamine enantiomers, **30**, 186
LC, of ecdysone metabolites, **30**, 95
LC, of ephedrine, **30**, 361
LC, of flavanoids, **30**, 333, 447
LC, of histones, **30**, 518

LC, of homologous series, **30**, 393
LC, of hydrogenated benzopyrenes, **30**, 24
LC, of imidazoline drugs, **30**, 277
LC, of iodine, **30**, 228
LC, of isoniazid metabolites, **30**, 69
LC, of lemon oil, **30**,. 271
LC, of lipids, **30**, 686
LC, of metallocenes, **30**, 543
LC, of metalloporphyrins in oil, **30**, 38
LC, of monoclonal antibodies, **30**, 527
LC, of 5-nitrofuran derivatives, **30**, 191
LC, of nitro-pharmaceuticals, **30**, 176
LC, of ochratoxins, **30**, 424
LC, of oxocarboxylic acids, **30**, 432
LC, of oxygen-free radicals, **30**, 19
LC, of PAHs, **30**, 91
LC, of peptide toxins, **30**, 301
LC, of peptides, **30**, 410, 477, 484, 663
LC, of phenolics, **30**, 35
LC, of plant carboxylic acids, **30**, 388
LC, of propranolol enantiomers, **30**, 73
LC, of proteins, **30**, 484, 523
LC, of ribosomal proteins, **30**, 696, 707
LC, of saccharin, **30**, 215
LC, of serotonin, **30**, 61
LC, of trace organics, **30**, 149
LC, of vitamin C, **30**, 311
LC, on acrylic copolymers, **30**, 428
LC, on ß-cyclodextrin, **30**, 135, 138
LC, on chiral stationary phases, **30**, 323
LC, on glasses, **30**, 382
LC, on modified glasses, **30**, 382
LC, on poly(butadiene) alumina, **30**, 277
LC, on porous carbon, **30**, 582
LC, on propyldimethylphenylsilane, **30**, 442
LC, on silica, **30**, 582
LC, on uncoated capillaries, **30**, 149
LC, on-line dialysis, **30**, 361
LC, optimisation of, **30**, 85, 171
LC, optimisation theory of, **30**, 367, 371
LC, preparative, **30**, 543
LC, retention mechanisms in, **30**, 301
LC, retention model for, **30**, 298
LC, reversed phase, **30**, 99
LC, semipreparative, **30**, 205
LC, temperature effect in, **30**, 518
LC, theory of, **30**, 393
LC, with binary eluents, **30**, 298
LC column, dry-packed, **30**, 477
LC purification of glycoproteins, **30**, 533
LC-MS, **30**, 271, 477, 573
LC-MS, of amino acids, **30**, 205
LC-MS, of haemoglobin peptides, **30**, 205
LC-MS interface, **30**, 477
Ligand immobilisation, **30**, 527
Ligand-exchange chromatography, **30**, 591
Lipids, natural neutral, **30**, 686
Lipids, polar, **30**, 686
Liquid chromatography, see LC
Liquid-liquid cleanup, **30**, 424
Loop-valve, LC, **30**, 477

Madazapam, irradiation of, **30**, 255
Marfey's reagent, **30**, 621
Mass transfer restriction, **30**, 639
Matrix, polystyrene, **30**, 527
Metal-interaction chromatography, **30**, 484
Methanol, organic mobile phase modifier, **30**, 447
Methylene selectivity, **30**, 393
Micellar electrokinetic chromatography, **30**, 675
Microbore columns, LC, **30**, 271
Migration velocity, **30**, 195
Molecular size and shape, **30**, 493
Molecular weight - see Relative molecular mass
Monazite, IEC of, **30**, 263
MS, tandem, **30**, 477, 575
Mycro-cystin-LR, **30**, 301

NaA zeolite, in GSC, **30**, 283
Nickel porphyrin, in oil, **30**, 38
Nodularin, **30**, 301
Nutrient solution, hydroponic, **30**, 421

Ochratoxins, in rumen fluid, **30**, 424
Octadecyl silica, **30**, 277
Official methods of analysis, book review, **30**, 112
Optimisation, information theory of, **30**, 85
Orthogonal collocation, **30**, 639
Oxygen-free radicals, in vivo, **30**, 19

PAHs, hydrogenated, **30**, 24
PAHs, inclusion complexes of, **30**, 91
Paper chromatography, see PC
Peaks, partially overlapped, **30**, 220
Peaks, skewed, **30**, 400
PEG 20M, retention mechanism on, **30**, 630
Penicillins and cephalosporins, **30**, 657
Peptide hydrolysis, **30**, 159
Peptide sequencing, **30**, 51
Peptides, arginine containing, **30**, 719
Peptides, phosphorylated, **30**, 484
Pesticides, chlorinated, **30**, 565
Pesticides, in aqueous samples, **30**, 129
Pharmaceuticals, stability of, **30**, 176
Phenolics, extraction of, **30**, 35
Phenolics in wine, LC of, **30**, 35
Pirkle chiral stationary phases, **30**, 73
Plant saps, **30**, 388
Polycyclic aromatic hydrocarbons, see PAHs
Polystyrene copolymer stationary phases, **30**, 105
Propyldimethylphenylsilane stationary phase, **30**, 442
Proteins, detection of, **30**, 523
Proteins, hydrolysis of, **30**, 523
Proteins, membrane, **30**, 703
Proteins, serum, **30**, 703
PTH-phosphotyrosine, determination of, **30**, 691

Rabbit skeletal muscle, **30**, 533
Reagent, solid phase, **30**, 509
Relative molecular mass and polydispersity, **30**, 201
Resolution criterion, invalidity of, **30**, 400
Resolution function, practical, **30**, 400
Retention, adsorption effcts on, **30**, 635
Retention data, aliphatics and aromatics, **30**, 101
Retention data, ecdysone metabolites, **30**, 95
Retention index, see RI
Review of LC dead volume, **30**, 135
RI, calculation of, **30**, 144
RI, data presentation, **30**, 163
RI, of alkylbenzenes, **30**, 144, 147, 328
RI, reproducibility of, **30**, 328
RI, thermodynamic aspects, **30**, 163
RI, universal system, **30**, 163
Rs-minimum method, **30**, 367

Sample, electrodialysis of, **30**, 361
Sample clean-up, on-line, **30**, 80, 591
Sanger's reagent, **30**, 621
Schomburg, Gerhard, **30**, 5
SEC, **30**, 696
SEC, network model for, **30**, 639
SEC, of proteins, **30**, 707
SEC, of sodium hyoluronate, **30**, 201
Separation parameters, **30**, 195
Sequencing prediction system, **30**, 51
SFC, capillary, **30**, 618
SFC, effect of flowrate, **30**, 57
SFC, effects of density gradients, **30**, 57

SFC, efficiency of, **30**, 57
SFC, of agrochemicals, **30**, 618
SFC, of PAHs, **30**, 57, 645
SFC, preparative, **30**, 645
SFC-MS, **30**, 573
Silica-anhydrotrypsin adsorbent, **30**, 410
Size-exclusion chromatography, see SEC
Sodium salicylate chemical trap, **30**, 19
Solibilities in CO_2, **30**, 57
Solid phase extraction, **30**, 215
Solution data, by GC, **30**, 493
Solutions, infinitely dilute, **30**, 493
Solvent extraction, of phenolics, **30**, 35
Speciation analysis, **30**, 293
Spices, extraction of, **30**, 16
Spin traps, in biological systems, **30**, 19
Stability tests, **30**, 176
Stationary phase, affinity, **30**, 527, 533
Stationary phase coating, polymeric, **30**, 500
Stationary phase technology, **30**, 500
Stationary phases, alkyl-bonded, **30**, 393
Stationary phases, bonded, **30**, 442, 447
Stationary phases, characterisation of, **30**, 663
Stationary phases, classification of, **30**, 163
Stationary phases, enantioselective, **30**, 555
Stationary phases, LC, for peptides, **30**, 663
Stationary phases, LC, review, **30**, 582
Stationary phases, micropellicular, **30**, 484, 527, 582
Stationary phases, polarity factors, **30**, 166
Steam distillation, of spices, **30**, 16
Structure-retention correlation, **30**, 91, 144, 447
Supercritical extraction, of spices, **30**, 16
Supercritical fluid chromatography, see SFC
Supercritical fluids, book review, **30**, 113
Supports, silanised, **30**, 630

Tag-along effect, **30**, 613
Tandem-MS, **30**, 205
Termetallocenes, heteronuclear, **30**, 543
Thermodynamics of adduct formation, **30**, 211
Thin-layer chromatography, see TLC
TLC, acetone eluent for, **30**, 405
TLC, of aminocaproic acid, **30**, 309
TLC, of anions, **30**, 405
TLC, of diantipyrilmethane complexes, **30**, 436
TLC, of ether phospholipids, **30**, 414
TLC, of flavanoids, **30**, 333
TLC, of lanthanides, **30**, 436
TLC, of metals, **30**, 436
TLC, of platinum metals, **30**, 436
TLC, of Ti, Zr & Hf, **30**, 436
TLC, on copper sulphate-silica, **30**, 405
TLC-MS, **30**, 573
Trace enrichment, **30**, 129
Trace organics, by LC, **30**, 149
Trimethylsulfonium hydroxide, **30**, 245

Ultrasonication of hyaluronic acid, **30**, 201
Urea and thiourea group-formation, **30**, 73

Vanadium porphyrin, in oil, **30**, 38
Variables, optimisation of, **30**, 367, 371

Zeolite, surface modification of, **30**, 287

Chromatographia Vol 30, Key Word Index

Acetone eluents, **30**, 405
Adsorbable carrier gases, **30**, 283
Adsorption and aging of trace compounds, **30**, 129
Adsorption effects, **30**, 489
Adsorption isotherms, **30**, 287
Adsorption, **30**, 635
Affinity chromatography, **30**, 410, 527
Aliphatic sulfonates, **30**, 509
Alkyl bonded phases, **30**, 393
Alkylbenzenes, **30**, 144, 328
Allyl bonded phase, **30**, 442
Amino acid diastereomer separation, **30**, 621
Amino acids analysis, **30**, 159
4-amino-2-hydroxybenzoic acid, **30**, 337
Aminocaproic acid in horse urine, **30**, 309
Aminoce.. 7-Aminocephalosporanic acid, **30**, 657
Aminoglutethimide, **30**, 223
6-Aminopenicillanic acid, **30**, 657
Amitrole, **30**, 155
Analytical performance, **30**, 7
Anhydrotrypsin, **30**, 410
Anion exchange, **30**, 249
Anion separation, **30**, 405
Anion-exchange cartridges, **30**, 377
Antibody anti-human serum albumin, **30**, 428
Arginine protecting groups, **30**, 719
Aspartame and saccharin, **30**, 215
Automation, **30**, 61

Bacillus stearothermophilus, **30**, 696
Bacteria, **30**, 245
Band broadening, **30**, 639
Band profiles, **30**, 613
Band separation, **30**, 613
1,4-Benzodiazepines, **30**, 255
ß-Lactam antibiotics, **30**, 657
Binary liquid phases, **30**, 298
Biological fluid and tissue, **30**, 19
Blood serum, **30**, 245

C-terminal Arg- or Lys-containing peptides, **30**, 410
Calcium channel, **30**, 533
Camomilla oils, **30**, 47
Capillary chromatography, **30**, 500
Capillary electrophoresis, **30**, 7, 500, 546, 675, 691
Capillary isotachophoresis, **30**, 657, 703
Capillary zone electrophoresis, **30**, 546, 713
Carbofuran, **30**, 421
Carbonyl compounds, **30**, 432
Carboxylic acids, **30**, 388, 509
Carotenoids, **30**, 318
Cephalosporins, **30**, 80
Charge transfer separations, **30**, 24
Chemical potential of solutes, **30**, 493
Chemical traps, **30**, 19
Chemiluminescence detection, **30**, 181
Chiral chromatography, **30**, 223
Chiral HPLC-phases, **30**, 555
Chiral interaction reagents, **30**, 311
Chiral recognition, **30**, 73
Chiral stationary phases, **30**, 223, 323
Chlortetracycline and related substances, **30**, 105
Chromatography, general, **30**, 400
Classification of stationary phases, **30**, 163

CLC, **30**, 19, 24, 35, 61, 69, 80, 85, 91, 95, 99, 105, 129, 135, 138, 159, 171, 176, 186, 191, 205, 215, 228, 249, 263, 271, 298, 301, 309, 311, 318, 323, 333, 361, 367, 371, 377, 382, 388, 393, 410, 421, 424, 428, 432, 442, 447, 477, 484, 518, 527, 573, 577, 582, 621, 663, 686, 696, 707, 719
Cleavage kinetics, **30**, 719
Coal liquefaction, **30**, 24
Column liquid chromatography, s. CLC
Column packings, **30**, 582
Column switching in HPLC, **30**, 80
Column switching, **30**, 61
Column void volume, **30**, 135, 138
Computer-assisted prediction system, **30**, 51
Concentration of organics, **30**, 149
Conductivity detection, **30**, 509
Copper sulphate-impregnated silica gel, **30**, 405
Cyanobacterial peptide toxins, **30**, 301
Cyclodextrin stationary phase, **30**, 135, 138
Cyclodextrins inclusion complexes, **30**, 91

D(-)- and L(+)-ascorbic acids, **30**, 311
Denopamine, **30**, 186
Densitometry, **30**, 414
Density gradients, **30**, 57
Derivatization, **30**, 186
Determination of adduction constant, **30**, 211
Diantipyrilmethane complexes, **30**, 436
1,4-Dihydropyridine receptor, **30**, 533
Diol silica, **30**, 410
Direct UV detection, **30**, 228
Displacement electrophoresis, **30**, 546, 713
2,4-DNPH, **30**, 432
Drug enantiomers, **30**, 555

Ecdysone, **30**, 95
Effect of size of solvent molecule, **30**, 493
Effect on efficiency, **30**, 57
Electroanalytical methods, **30**, 577
Electrochemical detection, **30**, 61
Electrodialytic sample treatment, **30**, 361
Enantiomer separation, **30**, 186
Enantiomeric separation, **30**, 223
Enantioseparation, **30**, 555
Endcapping, **30**, 318
Enthalpies and entropies, **30**, 211
Eperison in human plasma, **30**, 357
Essential oils, **30**, 16, 271
Estuarine samples, **30**, 432
Ether phospholipids, **30**, 414
Exponentially-modified Gaussian function, **30**, 220

FAME analysis, **30**, 245
Fast atom bombardment-MS, **30**, 205
Flavonoids, **30**, 333, 447
Fluorometric detection, **30**, 69
FTIR, **30**, 255
Furazolidone and other nitro-pharmaceuticals, **30**, 176

γ-Irradiation sterilization, **30**, 255
Gas chromatography, s. GC
Gas-solid chromatography, **30**, 283, 287, 537

GC, 30, 47, 144, 155, 163, 181, 211, 245, 255, 267, 328, 421, 489, 493, 565, 630, 635
GC-MS, 30, 357
GC/MS, 30, 309
Gel permeation chromatograhy, 30, 201
Genus *Althaea*, 30, 333
Glass capillary columns, 30, 635
Glycolipids, 30, 686
Glycuronic acids, 30, 249
Gradient ion chromatography, 30, 509
Graphitized carbon black, 30, 565
Graphitized thermal carbon black, 30, 537
Group separation of bile acids, 30, 377
Guanidino group detection, 30, 719

Halobacterium marismortui, 30, 707
Headspace analysis, 30, 181
Heavy metal ions, 30, 293
Herbicides and pesticides, 30, 618
Heteronuclear termetallocenes, 30, 543
Histones,30, 518
HMG proteins, 30, 518
HP PONA columns, 30, 328
HPLC of receptor, 30, 533
HPLC-Metabolexpert®, 30, 95
Hyaluronate fractions, 30, 201
Hydro-organic mobile phases, 30, 393
Hydrocarbon analysis, 30, 537
Hydrogen isotopes, 30, 283
Hydrogenated polycyclic aromatics, 30, 24
Hydrophobic parameter, 30, 99
Hydrophobicity of organic bases, 30, 277
Hydroponics, 30, 421
Hydrosilylation reaction, 30, 442

Ideal dilute solutions, 30, 493
Identification, 30, 163
Imidazoline drugs, 30, 277
Immunoaffinity, 30, 428
Indirect photomeric detection, 30, 337
Industrial applications, 30, 675
Information theory, 30, 85, 171, 367, 371, 713
Inorganic anions, 30, 509
Insert packing material, 30, 267
Instrumentation, 30, 7, 675
Interaction of phosphate with Fe^{3+}, 30, 484
Internal-surface reversed-phase, 30, 301
Iodine anion, 30, 228
Iodized throat tablets, 30, 228
Ion chromatography, 30, 293, 337
Ion exchange, 30, 263
Ion-pair effect, 30, 518
Ion-pair separations, 30, 228
Isocyanate, 30, 73
Isoniazid metabolites in urine, 30, 69
Isotachophoresis, 30, 546, 713
Isothiocyanate, 30, 73

k' and R_s expressions, 30, 195
Kalman filter, 30, 85, 171, 367, 371

LC-MS, 30, 271
Lipid analysis, 30, 686
Location of phosphotyrosine, 30, 691
Loop valve, 30, 477

Marfey's reagent, 30, 621
Mass spectrometry/gas chromatography, 30, 573
Medazepam, 30, 255
Melissyl alcohol, 30, 267
Membrane proteins, 30, 703
Metabolexpert®, 30, 95
Metabolism, 30, 95
Metal-interaction chromatography, 30, 484
Metallocene salt isolation, 30, 543
Metalloporphyrins in oils, 30, 38
Methylene selectivity, 30, 393
Mexican spices, 30, 16
Micellar electrokinetic capillary chromatography (MECC), 30, 7, 195
Microwave, 30, 523
Microbore columns, 30, 271
Microcystin, 30, 301
Micropacked columns, 30, 500, 537
Micropellicular stationary phases, 30, 484
Microwave accelerated hydrolysis, 30, 159
Migration direction, 30, 195
Miniaturization, 30, 500
Mobile phase modifiers, 30, 518
Modified acrylic copolymers, 30, 428
Molecular interactions, 30, 298
Molecular weight and polydispersity, 30, 201
Monazite analysis, 30, 263
Monomeric and polymeric phases, 30, 318
Multiple injection, 30, 645
Mycotoxins, 30, 424

N_3^-, OCN^-, $HCOO^-$, CH_3COO^-, $C_2H_5COO^-$ and $NH_2SO_3^-$ ions, 30, 337
Natural zeolites - clinoptilolite, 30, 287
Network model, 30, 639
Neutral lipids, 30, 686
New stationary phases, 30, 663
Nickel in petroleum, 30, 38
Nitrofuran derivatives, 30, 191
Nodularin, 30, 301
Non-linear chromatography, 30, 613

Ochratoxin A, 30, 424
Octadecylsilica phase, 30, 277
Octyl-, octadecyl-, phenyl- and cyano-bonded phases, 30, 447
Oleoresin, 30, 16
On-line coupling, 30, 361
On-line plasma sample clean-up, 30, 80
OPA derivatization, 30, 523
Optical resolution of drugs, 30, 323
Optimization of variables, 30, 85, 171, 367, 371
Organochloro-pesticides, 30, 129
Origanum vulgare, 30, 16
OV-101 glass capillary columns, 30, 328
Oxocarboxylic acids, 30, 432
Oxygen flame ionization detector, 30, 47
Oxygen free radicals *in vivo*, 30, 19

Packed columns, 30, 57
Paper chromatography, 30, 333
Penicillins and cephalosporins, 30, 657
Peptic haemoglobin hydrolysate, 30, 205
Peptide hydrolysis, 30, 159
Peptide sequencing, 30, 51
Peptides, 30, 477, 663
Performance testing, 30, 663
Pharmaceutical formulations, 30, 215
Phenolic compounds, 30, 35
Phloem and xylem saps, 30, 388
Phospholipids, 30, 686
Phosphopeptides, proteins and peptides, 30, 484
Pimpinella anisum, 30, 16
Pirkle phases, 30, 73
Plant tissues, 30, 155
Platinum metals, 30, 436
Poly(butadiene)-coated alumina phase, 30, 277
Poly(ethylene glycol) 20M, 30, 630
Poly(styrene-divinylbenzene)copolymer, 30, 105
Polycyclic aromatics, 30, 91
Polymer surface coating, 30, 500
Polystyrene matrix, 30, 527

Porous carbon, **30**, 582
Porous glass adsorbents, **30**, 382
Post column derivatization, **30**, 69
Post-column reaction detector, **30**, 719
Preparation of affinity phases, **30**, 527
Preparative chromatography, **30**, 613
Preparative column liquid chromatography, **30**, 543
Preparative scale separation, **30**, 645
Propyldimethylphenylsilane phase. **30**, 442
Protein detection, **30**, 523
Protein hydrolysis, **30**, 523
Protein purification, **30**, 533
PTH-Phosphotyrosine, **30**, 691
Pulsed amperometric detection, **30**, 249

Qualitative analysis, **30**, 713
Quantitative analysis, **30**, 176, 220

Radio-derivatization, **30**, 527
Rapid HPLC, **30**, 484
Rare earths, **30**, 263, 436
Reaction detector, **30**, 523
Reproducibility of retention and response data, **30**, 7
Residue analysis, **30**, 155
Resolution function, **30**, 400
Resolution of overlapped peaks, **30**, 220
Retention index calculation, **30**, 144
Retention index reproducibility, **30**, 328
Retention mechanisms, **30**, 630
Retention values, **30**, 635
Reversed stationary phases, **30**, 99
Reversed-phase and ion-exchange columns in series, **30**, 388
Reversed-phase liquid chromatography, s. RP-HPLC
Reversed-phase systems, **30**, 447
Ribosomal proteins, **30**, 696, 707
RP-HPLC, **30**, 38, 51
Rumen fluid, **30**, 424

Sample introduction, **30**, 7
Sample purification, **30**, 388
Sample trapping and concentration, **30**, 565
Sandy soils, **30**, 155
Sanger's reagent, **30**, 621
Se, Te and S compounds, **30**, 181
Selective detection, **30**, 47
Selenium, **30**, 293
Semi-preparative scale purification, **30**, 205
Separation mechanism of diastereomers, **30**, 621
Separation of structural and spatial isomers, **30**, 537
Separation parameters, **30**, 7, 195
Sequence analysis, **30**, 691
Serotonin in plasma, **30**, 61
Serum proteins, **30**, 703
SFC, **30**, 57, 618, 645
Silanized supports, **30**, 630
Silica gel, **30**, 582
Size exclusion chromatography, **30**, 639
Size exclusion, RP and ion-exchange, **30**, 707
Skewed peaks, **30**, 400
Solid phase extraction, **30**, 309, 357, 377
Solid phase reagent, **30**, 509
Solvent desorption, **30**, 149
Solvent extraction, **30**, 35
Solvent-vented injection, **30**, 618
Solventless injection system, **30**, 645
Speciation, **30**, 293
Specific interactions, **30**, 277
Spin traps, **30**, 19
Split injection, **30**, 267
Stability tests, **30**, 176
Stationary phase composition, **30**, 393
Steam distillation, **30**, 16
Structure-activity relationships, **30**, 191
Structure-retention relationships, **30**, 91, 144, 447
Supercritical fluid chromatography, s. SFC
Supercritical fluid extraction, **30**, 16
Surface free energy, **30**, 382
Surface heterogeneity, **30**, 287
Surface modification, **30**, 287
Synthesis of new bonded phases, **30**, 442

Tandem mass spectrometry, **30**, 477
Tandem-MS, **30**, 205
Temperature effect, **30**, 518
Theory of chromatography, **30**, 613
Thermal and chemical modification, **30**, 382
Thin-layer chromatograhy, s. TLC
Thin-layer, **30**, 309
Thionrea, **30**, 73
Titanium, zirconium and hafnium, **30**, 436
TLC, **30**, 405, 414, 436
Trace determination, **30**, 357
Trace enrichment in gases, **30**, 489
Trace enrichment, **30**, 129
Trimethylsulfonium hydroxide (TMSH), **30**, 245
Two-dimensional micro gel electrophoresis, **30**, 696

Ultrasonic degradation, **30**, 201
Uncoated capillary columns, **30**, 149
Universal retention index, **30**, 163
Urea, **30**, 73

Vanadium in petroleum, **30**, 38
Vitamin C, **30**, 311

Water/methanol eluent mixtures, **30**, 99